

Title (en)
Semiconductor laser module

Title (de)
Halbleiterlasermodule

Title (fr)
Module laser à semi-conducteur

Publication
EP 0766107 A1 19970402 (EN)

Application
EP 96115040 A 19960919

Priority
JP 25138995 A 19950928

Abstract (en)
A semiconductor laser module(10) which couples a beam emitted from a semiconductor laser(11) with a core expanded fiber(14) having a single-mode fiber end whose core diameter is expanded, by a lens system having a first and a second lenses(12,13). The core expanded fiber(14) is set so as to have a core expansion coefficient of 1.3 or more and an absolute value of change rate of mode field diameter smaller than $6.0 \times 10^{-4} \mu\text{m}$. <IMAGE>

IPC 1-7
G02B 6/26; **G02B 6/42**

IPC 8 full level
G02B 6/26 (2006.01); **G02B 6/42** (2006.01)

CPC (source: EP US)
G02B 6/262 (2013.01 - EP US); **G02B 6/4204** (2013.01 - EP US)

Citation (search report)
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• [A] EP 0490369 A1 19920617 - SUMITOMO ELECTRIC INDUSTRIES [JP]
• [A] EP 0192164 A2 19860827 - JAPAN BROADCASTING CORP [JP]
• [A] K.KAWANO ET AL.: "LASER DIODE MODULE FOR SINGLE-MODE FIBER BASED ON NEW CONFOCAL COMBINATION LENS METHOD", JOURNAL OF LIGHTWAVE TECHNOLOGY, vol. LT-4, no. 9, September 1986 (1986-09-01), NEW YORK US, pages 1407 - 1413, XP002022256

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DE FR GB IT

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